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U.S. Patent Documents

Examiner						Sub-	Filing
Initial	No.	Patent No.	Issue Date	Patentee	Class	class	Date
	1	5,325,238	6/28/1994	Stebbings et al.			
	2	5,517,672		Reussner et al			
	3	5,528,513	6/18/1996				
	4	5,585,866		Miller et al.			
	5	5,616,876	4/1/1997	Cluts			
	6	5,644,715	7/1/1997	Baugher			
	7	5,671,195	9/1/1997	Lee, Howard Hong- Dough			
	8	5,734,119	3/3/1998				-
	9	5,761,417	7/28/1998				
	10	5,784,597	7/1/1998		 	 	
	11	5,787,482	7/28/1998	Chen et al		 	
	12	5,792,971	8/11/1998				
	13	5,802,502	9/1/1998		 		+
	14	5,819,160		Foldare et al	 	 	
	15	5,892,900	6/6/1996				
	16	5,907,827		Fang et al.		-	_
	17	5,910,987		Ginter et al			
	18	5,913,039		Nakamura			1
	19	5,915,019	6/22/1999				
	20	5,917,912	6/29/1999				
	21	5,920,861	7/6/1999		†		1
	22	5,930,765		Martin, John R			
	23	5,943,422	8/24/1999				
	24	5,944,778		Takeuchi et al			
	25	5,949,876		Ginter et al			
	26	5,956,321	9/21/1999	Yao et al	-		
	27	5,956,491	9/21/1999	Marks			
	28	5,959,945	9/1/1999	Kleiman, Ruben			
	29	5,963,914		Skinner et al			
	30	5,982,891	11/9/1999	Ginter et al			
	31	5,996,015	11/30/1999	Day et al		-	1
	32	6,029,257	2/22/2000	Palmer			T .
	33	6,031,797		Van Ryzin et al			
	34	6,041,354	3/21/2000	Biliris et al			
	35	6,044,398	3/28/2000	Marullo et al			1
	36	6,061,722	5/9/2000	Lipa et al			
	37	6,067,562		Goldman			
	38	6,088,722	7/11/2000	Herz			1
	39	6,112,023		Dave et al			
	40	6,112,181	8/29/2000	Shear et al			
	41	6,138,119	10/24/2000	Hall et al			
	42	6,157,721	12/5/2000	Shear et al			

	43	6,157,940	12/5/2000	Marullo et al			
	44	6,160,812	12/1/2000	Bauman et al			
	45	6,163,683	12/19/2000	Dunn et al			
	46	6,168,481	12/1/1992	Culbertson et al			
	47	6,173,325	1/9/2001	Kukreja			
	48	6,185,683	2/6/2001	Ginter et al			
	49	6,185,701	2/6/2001	Marullo et al			
	50	6,192,340	2/20/2001	Abecassis			
	51	6,195,701	2/27/2001	Kaiserworth et al			
	52	6,199,076	3/6/2001	Logan et al			
	53	6,222,530	4/24/2001	Sequiera			
	54	6,226,672	5/1/2001	DeMartin et al			
	55	6,237,786	5/29/2001	Ginter et al			
	56	6,240,185	5/29/2001	Van Wie et al			
	57	6,243,328	6/5/2001	Fenner et al			
	58	6,243,725	6/5/2001	Hempleman et al			
	59	6,247,061	6/12/2001	Douceir			
	60	6,248,946	6/19/2001	Dwek			
	61	6,253,193	6/26/2001	Ginter et al			
	62	6,262,569	7/17/2001				
	63	6,263,362	7/17/2001	Donoho et al			
	64	6,266,788	7/24/2001				
	65	6,300,880	10/9/2001				
	66	6,314,576	11/1/2001				
	67	6,332,163	12/18/2001				
	68	6,356,936	3/12/2002				1 .
	69	6,363,488	3/26/2002				
	70	6,366,914	4/2/2002				†
	71	6,389,402	5/14/2002				
	72	6,421,651	7/16/2002				
	73	6,427,140	7/30/2002		1		1
	74	6,430,537	8/6/2002	Tedesco et al			
	75	6,434,621		Pezzillo et al			
	76	6,434,628		Bowman-Amuah			
	77	6,438,450	8/20/2002				
	78	6,438,630	8/20/2002				
	79	6,441,832	8/27/2002				
	80	6,446,080		Van Ryzin et al			
	81	6,446,125		Huang et al			
	82	6,446,126		Huang et al			
	83	6,449,367		Van Wie et al			T
	84	6,453,316		Kairbe et al			
	85	6,477,541		Korst et al		- 20	
	86	6,477,707	11/1/2002				
77.11	87	6,492,469	12/1/2002				
	88	6,496,744	12/17/2002				
	89	6,505,160		Levy et al			
	90	6,519,648	2/11/2003				
	91	6,526,411	2/25/2003				
	92	6,529,586		Elvins et al			
	93	6,536,037	3/18/2003	Guheen et al			
	94	6,542,445		ljichi et al			
	95	6,546,397	4/8/2003				
	96	6,550,057		Bowman-Amuah			

U.S.	Serial	No.:	10/538	,334
------	--------	------	--------	------

	97	6,601,041	7/29/2003	Brown et al		
	98	6,618,484	9/9/2003	Van Wie et al		
	99	6,658,568	12/2/2003	Ginter et al		
	100	6,668,325	12/23/2003	Collberg et al		
	101	6,772,435	8/1/2004	Thexton et al		
	102	6,910,220	6/1/2005	Hickey et al		
	103	6,950,623	9/1/2005	Brown et al		
	104	7,020,710	3/1/2006	Weber et al		
	105	7,020,893	3/1/2006	Connelly, Jay H		
-	106	7,136,906	11/1/2006	Giacalone Jr., Louis D.		
	107	7,185,352	2/1/2007	Halford et al.		
	108	6,772,340	8/1/2004	Peinado et al.		
	109	6,263,313	7/1/2001	Milsted et al.		
	110	7,024,485	4/1/2006	Dunning et al		
	111	6,609,097	8/1/2003	Costello et al.		

Published U.S. Patent Application

Examiner		Document	Publication	Assignee		Sub-	Tran	slation
Initial	No.	No.	Date	-	Class	class	Yes	No
	1	2001/0003828	6/14/2001	Peterson et al				
	2	2002/0032907	3/1/2002	Daneils John J.				
	3	2002/0059237	5/1/2002	Kumagai et al.				
	4	2002/0059624	5/1/2002	Machida et al				
	5	2002/0068525	6/1/2002	Brown et al.				
	6	2002/0078056	6/20/2002	Hunt et al.				
	7	2002/0082914	6/27/2002	Beyda et al				
	8	2002/0095510	7/1/2002	Sie et al				
Y	9	2002/0104099	8/2002	Novak, Robert Eustace				
	10	2002/0107968	2/6/2003	Messarina		7		
	11	2002/0108395	8/15/2002	Fujita et al.				
	12	2002/0152876	10/24/2002	Hughes et al				
	13	2002/0152878	10/24/2002	Akashi				
	14	2002/0198846	12/26/2002	Lao				
	15	2003/0014436	1/16/2003	Spencer, et al.	- 0			
	16	2003/0018797	1/23/2003	Dunning et al				
	17	2003/0023973	1/1/2003	Monson et al.				
	18	2003/0023975	1/1/2003	Schrader et al.				
	19	2003/0069768	4/10/2003	Hoffman, et al.				
	20	2003/0121050	6/26/2003	Kalva et al.				
	21	2003/0126275	7/3/2003	Mungavan et al				
	22	2003/0135605	7/17/2003	Pendakur .				
	23	2003/0195974	10/16/2003	Ronning et al				
	24	2004/0064507	4/1/2004	Sakata				-1
	25	2005/0159104	7/1/2005	Valley et al.				
	26	2002/0091761	7/1/2002	Lambert, James P.				
	27	2003/0236906	12/1/2003	Klemets et al.				
	28	2003/0048418	3/1/2003	Hose et al.				
	29	2003/0028893	2/1/2003	H. Addington, Timothy				
	30	2005/0114757	5/1/2005	Sahota et al.				

Published Foreign Patent Application

Examiner		Document	Publication	Assignee		Sub-	Tran	slation
Initial	No.	No.	Date		Class	class	Yes	No
	1	EP 1113605A2	7/4/1991	Lucent Technologies				
	2	EP 1187485B1	4/2/2003	Mediabricks AB				
	3	EP 0831608A2	3/25/1998	AT&T Corp.				
	4	EP 0875846A2	11/4/1998	Sony Electronics, Inc.				
	5	EP 0986046A1	3/15/2000	Lucent Technologies				
	6	EP 1286351A2	2/26/2003	Surcouf et al.				
	7	EP 1178487A1	2/6/2002	Shimada et al				
	8	EP 1187423A2	3/13/2002	Watanabe, K.				
	9	EP 1229476A2	8/7/2002	Chatani et al				
	10	EP 1244021A1	9/25/2002	Yamamoto, K.				
	11	EP 1267247A2	12/18/2002	Du, et al.				
	12	WO 02/063414	8/14/2002	Dietsch, K-L.				
	13	WO 01/10496A2	2/15/2001	Rubin et al				
	14	TW 497055	8/1/2002	Tsais				
	15	JP 2002318587	10/31/2002	Akashit				
	16	JP 2002108395	4/10/2002	Kobe Steel Ltd				
	17	JP 2003069768	3/7/2003	Ricoh KK				

Other Documents

Examiner		
Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
	Sandard Constitution of the last	A Network Flow Model for Playlist Generation; Department of Electrical Engineering, University of
	2	Minnesota Learning a Gaussian Process Prior for Automatically Generating Music Playlists; Microsoft
		Corporation
	3	EasyLiving:Technologies for Intelligent Environments; Microsoft Research
	4	intelligent Multicast Internet Radio; University of Dublin
	5	Flytrap: Intelligent Group Music Recommendation; IUI 02. 2002 International Conference on . Intelligent User Interfaces;
	6	Virtual-Jukebox; reviving a classic; Proceedings of the 35th Annual Hawaii International Conference on System Sciences, P. 887-93
		rne MP3 Revolution; IEEE Intelligent Systems vol 14, no 3, p. 8-9,
	8	The Valid Web: an Infrastructure for Temporal Management of Web Documents; ADVIS 2000; Lecture Notes in Computer Science; Vol 1909, p. 294-303, Izmir, Turkey; pub: Soringer-Verlag; 2000; xvi-460pp.; Germany.
	9	Usability Studies and Designing Navigational Aids for the World Wide Web; 6th Intl World Wide Web Conf.; Santa Clara, CA; USA; Pub: Elsevier Comput. Netw. ISDN Syste; vol 29, no. 8-13, p.1489-96; Sept 1997; Netherlands
	10	Web based Protection and Secure Distribution for Digital Music", Proceedings, International Conference on Internet and Multimedia Systems and Applications pg 102-107, Harvatt, USA
	11	Apple's iTunes Music Store http://www.apple.com/music/store
	12	Conference Paper: IP Data Over Sateme to Cable Headends and a New Operation Model with Digital Store and Forward Multi-Media System
	13	Coordinated CPU and Event Scheduling for Distributed Multimedia Applications:, ACM Multimedia; Ottawa, Canada
	_14	"Packet Synchonization Recovery Circuit" Vol 16, No 294, P.120
	15	HODSON, O., PERKINS, C., HARDMAN, V., "Skew detection and compensation for Inernet audio application" Part vol.3, p.1687-90, 2000 IEEE international Conference on Multimedia Proceedings, USA
	16	AURICEOFCHEA, C., CAMPBELL A. HALLW J. "A Suprey of QoS Architectures., Columbia University, New York

-	
سنداس	CEN,S., PU, R., STAEHI, R., WALPOLE, J., "A Distributed Real-Time MPEG Video Audio Player", Dept of Computer Science and Engineering, Oregon Graduate Institute of Science and Technology
 18	MANOUSELIS, N.: KARAMPIPERIS, P., VARDIAMBASIS, I.O., MARAS, A. DIGITAI Audio
	Broadcasting Systems under a QoS Perspective", Telecommunications Laboratory, Dept. of
	Electronics & Computer Engineering, Technical University of Crete, Greece
19	Helix Universal Gateway Configuration Guide, Real Networks Technical Blueprint Series
20	SION, R., ELMAGARMID, A., PRABHAKAR, S., REZGUI, A., Challenges in designing a QoS
	aware Media Repository (working draft) Computer Science, Purdue University, IN
21	CHEN, Z., TAN,SM., CAMPBELL, R., LI, Y., "Real Time Video and Audio in the Word-Wide Web".
 -	Dept. of Computer Science, Univ. of Illinios, Champagne - Urbana
22	Content Networking with the Helix Platform, RealNetworks White Paper Series, July 2002
23	HESS, C., Media Streaming Protocol: An Adaptive Protocol for the Delivery of Audio and Video
	Over the Internet", 1998, Univ. of Illinois, Champagne-Urbana
24	KOSTER, R., "Design of a Multimedia Player with Advanced QoS Control", January 1997, Oregon
 	Graduate Institute of Science and Technology
25	NARASIMHA, R. et al. "I/O Issues in a Multimedia System"; Computer, Vol. 27, No. 3, pg 69-74, March 1994, USA
26	RAMAKRISHNAN, K.K. et al; "Operating system Support for a video-on-demand file service";
20	Multimedia Systems; Vol. 3, No. 2, Pg. 53-65, 1995 West Germany
27	NWOSU, K.C. et al "Data Allocation and Spatio-Temporal Implications for Video-on-Demand
-	Systems": Proceedings of 1995 14th Annual Phoenix Conference on Computers and
	Communications; (Cat. No.95CH35751), pg. 629-35; IEEE: 1995 USA
28	EUN, S,: et al. "Nonpreemptive scheduling algorithims for multimedia communication in local area
	networks"; Proceedings 1995 Int'l Conf on Network Protocols (Cat. no.: 95TB8122) pg. 356-IEEE
	Comput. Soc. Press; 1995 Los Alamitos, CA USA 1996
29	NAKAJIMA, T.; "A Dynamic QoS control based on Optimistic processor reservation"; Proceedings
1	of the Intn'l onf. on Multimedia Computing and Systems (Cat. No.: 96TB100057), pg. 95-103, IEEE
 30	Comp. Soc. 1996, Los Alamitos, CA Orij, C.U. et al; "Spatio-temporal effects of mutimedia objects storage delivery on video-on-demand
30	systems"; Mutlimedia Sytems; vol. 5, no. 1, pg 39-52, Springer-Verlag; January 1997, Germany
 31	KENCHAMMANA-HOSEKOTE, D.R., et al.; "I/O scheduling for digital continuous media";
0.	Mutlimedia Systems, vol. 5, no.4, pg 213-37, Springer-Verlag, July 1997 Germany
32	MATSUI, Y et al.; "VoR: a network system framework for VBRT over reserved bandwidth";
	Interactive Distributed Mutlimedia Systems and Telecommunications Services, 4th Int'l Workshop,
 	IDMS '97 Proceedings; pg 189-98, Springer-Verlag; 1997, Berlin, Germany
33	LULING, R. et al.; "Communication Scheduling in a Distributed memory parallel interactive
	continuous media server system"; Proceeedings of 1998 ICPP Workshop on Architectural systems and OS Support for Multimedia Applications Flexible Communications Systems, Wireless Networks
	and Mobile Computing; (Cat. no. 98EX206) pg 56-65; IEEE Comput. Soc, 1998 Los Alamitos, CA
	USA
34	SEONGBAE, E., et al; "A real-time scheduling algorithm for multimedia communication in samil
-	dedicated multimedia systems'; KISS(A) (Computer Systems and Theory) vol 25, no.5, pg492-502;
	Korea Inf. Sci. Soc; May 1998, South Korea, 1999
35	GAROFALAKIS, M.N., et al. "Resource scheduling in enhanced pay-per-view continuous media
1	databases"; Proceedings of 23rd Int'l Conf. on Very Large Databases"; pg 516-25; Morgan,
 - 00	Kaufman Publishers, 1997, San Francisco, CA USA 1999
36	MOSTEFAOUI, A.; "Exploiting data structures in a high performance video server for TV archives"; Proceedings of the Int'l Symposium on Digital Media Information Base, pg 516-25, World Scientific,
	1998 Singapore
 37	GAROFALAKIS, M.N., "On periodic resource scheduling for continuous media databases: VLDB
"	Journal, Vol 7, no.4, pg 206-25; 1998 Springer Verlag, germany 1999
38	HWEE-HWA, P., et al., "Resource Scheduling In A High Performance Multimedia Server", March-
 I	April 1999, IEEE, USA.
39	YOUNG-UHG, L. et al, "Performance analysis and evaluation of allocating subbanded video dta
1	block on MZR disk arrays"; Proceedings of teh High Performance Computing (HPC'98) pg 335-40,
 10	Soc for Comp Simulation Intn'l 1998, San Diego, CA, USA
40	FENG, C. et al.; "An architecture of distributed media servers for supporting guaranteed QoS and
1	media indexing", IEEE Intn'l Conf on Multimedia Computing and Systems, Part vol. 2 IEEE Comp. Soc. 2 vol. 1999 Los Alamitos, CA 1999
 41	TO, TP.J. et al "Dynamic optimization of readsize in hypermedia servers"; IEEE Intn'l Conf on
7'	Mutlimedia Computing and Systems; Part vol. 2, pg 486-91, Pub. IEEE Comput. Soc, 2 vol. 1999
	Los Alamitos, CA USA

	42	LEE, W. et al., "QoS-adaptive bandwidth scheduling in continuous media streaming"; Information and Software Technology; v.44n, June 2002, pg 551-563
	43	WADDINGTON, D.G., "Resource partitioning in general purpose operating systems; experimental results in Windows NT"; Operating Systems Review, vol. 33, no4, pg52-74; ACM, October 1999, USA
	44	DITZE, M. et al. "A method for real-time scheduling and admission control of MPE 2 streams: PART 2000; 7th Australian Conference on Parallel and Real-Time Systems", Nov. 2000, Sydney, NSW, Australia, Pub: Springer-Verlag, Hong Kong, China 2001
	45	GAROFALAKIS, M., et al, "Competitive Online scheduling of continuous media streams", Journal of Computer and Systems Sciences; vol64, no2 pg 219-48, Academic Press, March 2002 USA
****	46	WONJON, L. et al.; "QoS-adaptive bandwidth scheduling in continuos media streaming". Dept of Computer Set and Engr. Korea Llaberally. Group: South Korea; Information and Software Technology, vol 44, no.9, po551-53. Seoul. Korea
	47	MOURLAS, C.; "Deterministic scheduling of CBR and VBR media flows on parallel media servers", Euro-Par 2002 Parallel Processing 8th Intr1 Euro-Par Conference Proceedings; Vol 2400, pg 807- 15, August 2002, Paderborn, Germany 2003
	48	BUFCRD, J.F.; "Storage server requirements for delivery of hypermedia documents", Proceedings of the SPIE - The International Society for Optical Engineering Conference, Int. Soc. Opt. Eng., vol2417, pg 346-55, 1995

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

/Andrew Flanders/ - 07/29/2008